

12/14/04

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[I-8825]

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Application of: David I. Suda et al.

Confirmation No. 6351

Serial No.: 10/753,603

Group Art Unit: 3635

Filed: January 8, 2004

Examiner: Jeanette E. Chapman

For: METHOD OF MAKING INSULATION PRODUCT HAVING NONWOVEN
FACING

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Elizabeth Orleman
Elizabeth Orleman

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

INFORMATION DISCLOSURE STATEMENT TRANSMITTAL LETTER

Dear Sir:

Enclosed herewith is an Information Disclosure Statement pursuant to 37 CFR.
§ 1.56 in connection with the above-identified application, which statement is being filed:

- ☐ Together with the present application.
- ☒ Before the first Office Action on the merits or three (3) months from the
filing date of this application, whichever occurs last. **[37 CFR § 1.97(b)]**
- ☐ After the first Office Action on the merits, but before a Final Office Action
under §1.113 or Notice of Allowance under §1.311, whichever occurs first.
[37 CFR § 1.97(c)]

- ☐ After a Final Office Action under §1.113 or Notice of Allowance under §1.311, but prior to or with payment of the Issue Fee. **[37 CFR § 1.97(d)]**

Consistent with Applicant's obligations pursuant to 37 CFR §§1.97 and 1.98, the following requirements have been met:

☒ No separate requirements are needed.

☒ No additional fee is required.

☐ **Fee Under 37 CFR § 1.97(c)**

The fee of \$180.00 for submission of an IDS under § 1.97(c) as set forth in § 1.17(p) accompanies this statement.

☐ **Fee Under 37 CFR § 1.97(d)**

The fee of \$180.00 for submission of an information disclosure statement under § 1.97(d) set forth in § 1.17(p) accompanies this statement.

☐ **Certification Under 37 CFR § 1.97(e)**

- ☐ Each item of information contained in this statement was cited in a communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of this statement; or
- ☐ No item of information contained in this statement was cited in a communication from a foreign patent office in a counterpart foreign application, and, to the knowledge of the person signing the statement after making reasonable inquiry, no item of information contained in this statement was known to any individual designated in §1.56(c) more than three months prior to the filing of this statement.

Provision of Copies of References

☒ A copy of each of the non-U.S. patent references listed on the attached Form PTO-1449 is enclosed herewith and forms a part hereof.

☒ Translations or partial translation of the indicated references are enclosed herewith and form a part hereof.


- ☐ A copy of the Search Report from a corresponding British application is enclosed herewith.
- ☐ A copy of the International Search Report from a corresponding or related PCT application is enclosed herewith.

Identification of Prior Application(s) In Which Listed Information Was Already Cited And For Which No Copies Are Submitted Or Need Be Submitted

- ☐ This application relies, under 35 U.S.C. § 120, on the earlier filing date of prior U.S. Application No(s). . The following references were submitted to, and/or cited by, the Office in the prior application(s) and therefore are not required to be provided in this application:
- ☒ The Commissioner is hereby authorized to charge any fees associated with this communication or credit any overpayment to Deposit Account No. 04-1679. A duplicate copy of this transmittal is attached.

Respectfully submitted,

DATE: 12/13/04



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Substitute for form 1449A/PTO

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(use as many sheets as necessary)

Complete if Known

| | |
|-------------------------------|---------------------|
| Application Number | 10/753,603 |
| Filing Date | 01/08/2004 |
| First Named Inventor | David I Suda et al. |
| Art Unit | 3635 |
| Examiner Name | Jeanette E. Chapman |
| Attorney Docket Number | D0932-00401 |

U.S. PATENT DOCUMENTS

| Examiner Initials | Cite No. | Document Number Number-Kind Code (if known) | Publication Date MM-DD-YYYY | Name of Patentee or Applicant of Cited Document | Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear |
|-------------------|----------|--|--------------------------------|--|---|
| | AA | 2,341,130 | 02-8-1944 | T.A. Unsworth | |
| | AB | 3,642,554 | 02-15-1972 | Hensley | |
| | AC | 3,955,031 | 05-4-1976 | Jones et al. | |
| | AD | 3,958,385 | 05-25-1976 | Bondra, et al. | |
| | AE | 4,263,007 | 04-21-1981 | Battigelli et al. | |
| | AF | 4,310,585 | 01-12-1982 | Shannon | |
| | AG | 4,316,865 | 02-23-1982 | Battigelli et al. | |
| | AH | 4,342,610 | 08-3-1982 | Ray, Jr. | |
| | AI | 4,661,392 | 04-28-1987 | Kapstad | |
| | AJ | 4,709,523 | 12-1-1987 | Broderick et al. | |
| | AK | 4,756,945 | 07-12-1988 | Gibb | |
| | AL | 4,972,644 | 11-27-1990 | Rumiesz, Jr. et al | |
| | AM | 5,169,700 | 12-8-1992 | Meier et al. | |
| | AN | 5,302,332 | 4/12/1994 | Simola et al. | |
| | AO | 5,331,787 | 07-26-1994 | Paulitschke, et al. | |
| | AP | 5,545,279 | 08-3-1996 | Hall, et al. | |
| | AQ | 5,578,258 | 11-26-1996 | Grant et al. | |
| | AR | 5,685,938 | 11-11-1997 | Knapp et al. | |
| | AS | 5,783,268 | 07-21-1998 | Noonan et al. | |
| | AT | 5,848,509 | 12-15-1998 | Knapp et al. | |
| | AU | 6,207,245 | 03-27-2001 | Miller et al. | |
| | AV | 6,357,504 | 03-19-2002 | Patel, et al. | |
| | AW | 6,415,573 | 07-9-2002 | Moulder | |
| | AX | 6,551,677 | 04-11-2002 | Weinstein, et al. | |
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Examiner
Signature

Date
Considered

*Examiner: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Approved for use through 10/31/2002. OMB 0651-0031

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| <p>Substitute for form 1449A/PTO</p> <p>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</p> <p>(use as many sheets as necessary)</p> | Complete if Known | |
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| | Filing Date | 01/08/2004 |
| | First Named Inventor | David I Suda et al. |
| | Art Unit | 3635 |
| | Examiner Name | Jeanette E. Chapman |
| | Attorney Docket Number | D0932-00401 |

U.S. PATENT DOCUMENTS

[illegible]

FOREIGN PATENT DOCUMENTS

| Examiner Initials | Cite No. | Foreign Patent Document | Publication Date MM-DD-YYY | Name of Patentee or Applicant of Cited Document | Pages, Columns, Lines Where Relevant Passages or Figures Appear | T |
|-------------------|----------|--|-------------------------------|--|---|---|
| | | Country Code –Number – Kind Code (If known) | | | | |
| | AY | DE 4108110 A1 | 12-12-1991 | Krickl | | |
| | AZ | WO 93-16874 A1 | 9-2-1993 | Gundberg | | |
| | BA | WO 94-29540 A1 | 12-22-1994 | Owens Corning Fiberglass | | |
| | BB | EP 0565392 B2 | 10-13-1993 | Rockwood International A/S | | |

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| Examiner Signature | | Date Considered | |
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| | Attorney Docket Number | D0932-00401 |

| OTHER PRIOR ART – NON PATENT LITERATURE DOCUMENTS | | | |
|---|----------|---|---|
| Examiner Initials | Cite No. | Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the Item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher city and-or country where published | T |
| | BC | BARKER, R.L., "Evaluating operating room gowns: comparing comfort of nonwoven and woven materials", International Nonwovens Journal, www.inda/subscrip/inj00_1/p230.html , pp 1-10, 3/12/2002 | |
| | BD | British Gypsum-Isover, Isowool Comfort, Glass Mineral Wool Insulation Encapsulated in a Super-Soft Fabric Providing Therman and Acoustic Insulation in Roofs and Ceilings, Product Information, 2 pages | |
| | BE | CertainTeed Corporation, "Specification Sheet ToughGard™ Duct Liner with Enhanced Surface", 2001 | |
| | BF | CertainTeed Corporation, "Certa*Faced Ultra*Duct Marketing Plan", November 22, 1993. | |
| | BG | CertainTeed Corporation, "List Prices – ToughGard Duct Board", October 1, 1994, Valley Forge, Pennsylvania, USA | |
| | BH | CertainTeed Corporation, "Product Sheet – ToughGard Duct Board Fiber Glass Duct Board Systems", 1994, Valley Forge, Pennsylvania, USA | |
| | BI | CertainTeed Corporation, "Product Specification: PS 57.00", May 23, 1994. | |
| | BJ | CertainTeed Corporation, "Raw Material Specification: Certa*Faced Ultra*Duct Mat Facing", June 23, 1994 | |
| | BK | CertainTeed Corporation, "Specification Sheet – ToughGard Duct Board with Enhanced Surface", January 2002 | |
| | BL | CertainTeed Corporation, "Specification Sheet – ToughGard Duct Board with Enhanced Surface", May 2001 | |
| | BM | CertainTeed Corporation, "Specification Sheet – Ultra*Duct Gold", March 2002. | |
| | BN | CertainTeed Corporation, CertainTeed Building Solutions, "Product Information," CertainTeed Duct Insulation | |
| | BO | CertainTeed Spec. Sheet, ToughGard™ Duct Board, 2 pages, April 2001 | |
| | BP | CETIAT "Test Report" July 24, 1991, 3 pages (translation attached) | Y |
| | BQ | Climaver 234 (1982) | |
| | BR | Climaver 254 (1984) | |
| | BS | Climaver 264 (1982) | |
| Examiner Signature | | Date Considered | |

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|---|----------|---|-----------------|
| Examiner Initials | Cite No. | Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher city and-or country where published | T |
| | BT | Climaver 284-234 "Construction and self-support air conditioning ducts", 4 pages (translation attached) (1988) | Y |
| | BU | Climaver Plata, Specification of a Product, Relevance on first page, density 70 kg/m ³ (not translated) (1992) | |
| | BV | DENT, R.W., "An Analysis of Fabric 'Hand' and 'Feel'", International Nonwovens Journal, www/inda/subscrip/inj00_1/p11.html, pp 1-11, 3/12/02 | |
| | B W | Elasti-Glass® R3100B Series Glass Fiber Mats, Schuller, 2 pages (5/97) | |
| | BX | France -Air, "Glass Fibre panels for air ducts" (translation attached), 21 pages (1992) | Y |
| | BY | French Republic, National Testing Laboratory, November 28, 1998, 1 page (translation attached) | Y |
| | BZ | Glass Fiber Manufacturing," Mineral Products Industry 9/85 (reformatted 1/95), pages 11.13-11.13-6 | |
| | CA | Glasuld "Product Data-Industrial Sheet Black" Sheet: 172 page 1, November 1989, 1 page (translation of parts of the Danish ventilation duct product "lindustriplade Sort" attached) | Y |
| | CB | Glasuld Ventilations-Kanaler (translation of parts of the Danish Duct Application brochure attached) | Y |
| | CC | Glasuld, Superfos Glasuld, Glasuld Perfofilt, "Superfos Glass Wool," product literature, January 1975 (translation from Danish attached) | Y |
| | CD | Isover "Gama Climaver" | |
| | CE | Isover Gullfiber - translation of the relevant parts of the Swedish Product Catalogue for Technical Insulation March 1989 | Y |
| | CF | Isover Saint-Gobain "Roche & Verre-Insulation and Air Conditioning, March 1990, 3 pages (translation attached) | Y |
| | CG | Johns Manville, Glass Fiber Mats, Elasti-Glass® 3200B Series, 1 p., 10/30/02 | |
| | CH | Johns-Manville, "Type PM 10/3 Microlith® - Glass Fiber Nonwoven", November 2003 | |
| | CI | Johns-Manville, "Type PM 10/4 Microlith® - Glass Fiber Nonwoven", December 2003 | |
| | CJ | Johns-Manville, "Air Handling Systems – Linacoustic RC™ Fiber Glass Duct Liner with Reinforced Coating System," (preliminary product information), AHS-329 February 2002 | |
| Examiner Signature | | | Date Considered |

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| Examiner Initials | Cite No. | Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher city and-or country where published | T |
| | CK | Johns-Manville, "Air Handling Systems - SuperDuct™ Coated High Performance Air Duct Board, Type 475 & 800, AHS 200 June 2000 | |
| | CL | KIM, H.S. et al., "Characterizing Fuzz in Nonwoven Fabrics", International Nonwovens Journal, www.inda/subscrip/inj00_1/p18.html, pp 1-8, 3/11/02 | |
| | C M | Knauf Air Duct Board, Form No. AH-SS-2 Effective: 1/98, 2 pages | |
| | CN | Knauf Fiber Glass GmbH, "Submittal Sheet – Air Duct Board-M with Hydroshield Technology", October 2000, USA | |
| | CO | Knauf Fiber Glass Insulation – Products 7 pages, February 2002 | |
| | CP | Knauf Fiber Glass Insulation – Products, Knauf Air Duct Board-M www.Knauffiberglass.com/index.cfm?fuseaction=prd.dspProdDetail&ID=14, pp 1-6, ©2003 | |
| | CQ | Lydall, 23# Manniglas® 1803 WHB, Developmental Lot F2956, Data Sheet, 1 page, 11/20/2002 | |
| | CR | Lydall, 27# Manniglas® 1807, Developmental Grade Lab Handsheets, Data Sheet, 1 page, 1/8/04 | |
| | CS | Lydall, 40# Manniglas® 1786 BX Black, Developmental Lot F2933, Data Sheet, 1 page, 11/20/2002 | |
| | CT | Lydall, 40# Manniglas® 1886 Black, Data Sheet, 1 page, 8/20/2002 | |
| | CU | Lydall, 40# Manniglas® 1886 Black, Product Specification, 1 page, 4/24/03 | |
| | CV | Nordson, Center of Excellence Bi-Component Nonwovens Pilot Line, COE II Specifications, 4 pages, 2002 | |
| | C W | North American Insulation Manufacturers Association, "Fibrous Glass Commercial Insulation Boards", Insulation Facts #67, www.naima.org, January 2003 | |
| | CX | North American Insulation Manufacturers Association, "Fibrous Glass Duct Wrap", Insulation Facts #66, www.naima.org, January 2003 | |
| | CY | North American Insulation Manufacturers Association, "Fibrous Glass Duct Construction Standards", 2nd Edition, 1993. | |
| | CZ | Saint-Gobain Insulation, Facing of "Comfort Products," (mainly extracted from purchasers' working group with Nathalie ROSE (CRIR) in 2001), T Gasser- CRIR, October 25, 2002, 11 pages | |
| | DA | Saint-Gobain Isover OY, Isover Comfort KL-C, product information, http://www.isover.fi/en/products/default.asp?aid=1&bid=4&cid=282&val=1 , 3 pages | |
| Examiner Signature | | | Date Considered |

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| Examiner Initials | Cite No. | Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher city and-or country where published | T |
| | DB | Testing Data from the Competitive Audit on March 25, 1999, 3 pages | |
| | DC | TRENDS, Index '99, "Nordson debuts new look, new products at INDEX '99", pp 1-4, Vol. 11, No. 1, April 1999 | |
| | DD | Underwriters Laboratories Inc., "Investigation of 'Climaver 284' Air Duct Board", December 19, 1991, Northbrook, Illinois, USA | |
| | DE | Underwriters Laboratories Inc., "Report on Air Ducts", June 8, 1992, Northbrook, Illinois, USA | |
| | DF | Certainteed CrimpWrap Crimped Pipe and Tank Wrap Specification Sheet, December 2002, 2 pages | |
| | DG | Flex-Clad 400™, Data Sheet, MFM Building Products Corp., Coshocton, OH, 1 page | |
| | DH | Flex-Clad 400™, www.flexclad.com, web site home page, MFM Building Products Corp., Coshocton, OH, accessed 7/24/2004, 2 pages, | |
| | DI | VentureClad™ 1577CW®, Venture Tape Corp., Rockland, MA, product literature, 1 page | |
| | DJ | LAMTEC Product Specifications for R-3070 Foil/Scrim/Kraft, www.lamtec.com/PS-R3070.htm, last updated May 11, 2004, Lamtec Corporation, 3 pages | |
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